BLASTP 2.2.1 [Jul-12-2001]

Reference: Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schaffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

Query= genscan2

(416 letters)

Database: ncbi-nr

897,014 sequences; 280,886,335 total letters

Searching......done

Score E (bits) Value Sequences producing significant alignments: pir||JC1512 biliary glycoprotein H - mouse 81 2e-14 81 2e-14 pir||JC1506 biliary glycoprotein B - mouse pir||A39037 carcinoembryonic antigen mmCGM2 precursor - mouse >g... 79 9e-14 ref[NP\_036056.1] (NM\_011926) CEA-related cell adhesion molecule ... 79 9e-14 pir/IJC1509 biliary glycoprotein E - mouse 73 5e÷12: ref[NP 001758.1] (NM 001767) CD2 antigen (p50), sheep red blood ... 73 6e<sub>E</sub>12 ref[NP 113943.1] (NM 031755) carcinoembryonic antigen-related ce... 72 8e-12 pir||RWHUC2 T-cell surface glycoprotein CD2 precursor - human >g... 72 8e-12 72 8e-12 qb[AAA51946.1] (M16336) CD2 surface antigen [Homo sapiens] ref[NP\_291021.1] (NM\_033543) hypothetical protein R29124\_1 [Homo... 72 le-11 71 2e-11 pir||JC1507 biliary glycoprotein C - mouse emb|CAA47697.1| (X67280) biliary glycoprotein [Mus musculus] 71 2e-11 pir||\$34338 biliary glycoprotein F - mouse >gi|312586|emb|CAA476... 71 2e-11 pir||JC1511 biliary glycoprotein G - mouse 71 2e-11

FIG. 1(contd.)

>pir||JC1512 biliary glycoprotein H - mouse

Length = 341

Score = 80.9 bits (198), Expect = 2e-14

Identities = 54/168 (32%), Positives = 86/168 (51%), Gaps = 9/168 (5%)

Query: 73 RDKPVTVVQSIGTEVIGTLR----PDYRDRIRLFENGSLLLSDLQLADEGTYEVEISITD 128

+ PV+ I +V GT + P + R ++ NGSLL+ + + D G Y +E+ TD

Sbjct: 69 KGNPVSTNAEIVHQVTGTNKTTTGPAHSGRETVYSNGSLLIQRVTVKDTGVYTIEM--TD 126

Query: 129 DTFTG-EKTINLTVDVPISRPQVLVASTTVLELSEAFTLNCSHENGTKPSYTWLKDGKPL 187

+ F E T+ V P+++P + V +TTV EL ++ TL C N + WL + + L

Sbjct: 127 ENFRRTEATVQFHVHQPVTQPSLQVTNTTVKEL-DSVTLTCL-SNDIGANIQWLFNSQSL 184

Query: 188 LNDSRMLLSPDQKVLTITRVLMEDDDLYSCMVENPISQGRSLPVKITV 235

RM LS + +L I + ED Y C + NP+S RS +K+ +

Sbjct: 185 QLTERMTLSQNNSILRIDPIKREDAGEYQCEISNPVSVKRSNSIKLDI 232

Score Sequences producing significant alignments: (bits) Value 79 le-13 gi|483306|pir||JC1506 biliary glycoprotein B - mouse gi|111207|pir||A39037 carcinoembryonic antigen mmCGM2 precu... 77 3e-13 qi|483312|pir||JC1512 biliary glycoprotein H - mouse 77 4e-13 gi|13937381|ref|NP\_036056.1| (NM\_011926) CEA-related cell a... 75 le-12 gi|228710|prf||1809184A pregnancy-specific glycoprotein [Ra... 70 5e-11. gi|483307|pir||JC1507 biliary glycoprotein C - mouse . 70 6e-11 gi|16117775|ref|NP\_291021.1| (NM\_033543) hypothetical prote... 69 8e-11 9e-11 gi|483309|pir||JC1509 biliary glycoprotein E - mouse 69 qi|312582|emb|CAA47695.1| (X67278) biliary glycoprotein [Mu... 69 1e-10 2e-10 gi{483311|pir||JC1511 biliary glycoprotein G - mouse 68

#### >qi|483306|pir||JC1506 biliary glycoprotein B - mouse

Length = 278

Score = 78.6 bits (192), Expect = 1e-13

Identities = 54/168 (32%), Positives = 86/168 (51%), Gaps = 9/168 (5%)

Query: 73 RDKPVTVVQSIGTEVIGTLR----PDYRDRIRLFENGSLLLSDLQLADEGTYEVEISITD: 128

+ PV+ I +V GT + P + R ++ NGSLL+ + + D G Y +E +TD

Sbjct: 69 KGNPVSTNAEIVHQVTGTNKTTTGPAHSGRETVYSNGSLLIQRVTVKDTGVYTIE--MTD 126

Query: 129 DTF-TGEKTINLTVDVPISRPQVLVASTTVLELSEAFTLNCSHENGTKPSYTWLKDGKPL 187

+ F E T+ V P+++P + V +TTV EL ++ TL C N + WL + + L

Sbjct: 127 ENFRRTEATVQFHVHQPVTQPSLQVTNTTVKEL-DSVTLTCL-SNDIGANIQWLFNSQSL 184

Query: 188 LNDSRMLLSPDQKVLTITRVLMEDDDLYSCVVENPISQVRSLPVKITV 235

RM LS + +L I + ED Y C + NP+S RS +K+ +

Sbjct: 185 QLTERMTLSQNNSILRIDPIKREDAGEYQCEISNPVSVKRSNSIKLDI 232

1	ATGA	AGA	GAG	AAA	GGG	GAGC	CC	TGT	CCA	GA	GCCT	CCA	GGG	CCC	TGC	GCCT	TG	CTC	CTT	TT
	m	k	r	е	r_	g	a ·	1	s	r	a	S	r	a	1	r	1	a	p	<u>f</u>
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61	GTCTA	\CC	rtc	TTC	rga'	TCCA	GA	CAG	ACC(	CC	CTGG	AGG(	GGG	TGA	ACAT	CAC	CAG	GCC	CCG'	TG
	<u>v</u> _	у	1	1	1	i	q	t	d	р	1	<u>e</u> _	g	V	n	i	t	S	p	V.
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21	CGCCT	rga'	TCC	ATG	GCA	CCGT	GG	GGA	AGT(	CG	GCTC'	I'GC'	rtt	CIG	TGC	AGTA	CA	JCA	GTA	CC
	r	1	i	h	g	t	V	g.	K	S	a	1	I	S	V	g,	y	S'	S	ι
	AGCA(	200	3 C 3	CCC	CIRC!	መስራመ	CA	እርጥ	cce	N.C	ርጥርል	እርር	בככ	מרמ	እርር	ጉልርጥ	GA	ՐՐ	ፐርር	ፐር
181	AGCAG	ょしじん	ACA	66C	CIG		υn 	P VO 1	1.7	70	l	noc.	r	non.	noc k	n n	v	t	v	v
	<b>S</b> .	<b>S</b> .	u	L	þ	٧	.v	Λ.	**	ч	•	N.	•	u	^	P	•	•		٠
241	CAGT	רראי	ጥጥር	CCA	CAG	AGGT	CA	TCG	GCA	cc	CTGC	GGC	CTG	ACT	ATC	GAGA	CC	GTA	TCC	GA
741	CUOI	con	i	u u	t	ρ	v	i	σ	t	1	r	ם מ	d	V	r	d	r	i	r
	ч	<b>.</b>	•	9	. •		•	-	,	_	-		•		•					
301	CTCT	TTG.	AAA	ATG	GCT	CCCT	GC	TTC	TCA	GC	GACC	TGC.	AGC	TGG	CCG	ATGA	GG	GCA	CCT	ΑT
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													in la Laran							
361	GAGG	TCG	AGA,	TCT	CCA	TCAC	CG	ACG	ACA	CC	TTCA	CTG	GGG	AGA	AGA	CCAT	CA	ACC	TTA	CT
	ė	v	e	i	s	i	t	d	d	t	f	t	g.	е	k	t	i	·U	1	t
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421	GTAG	ATG	TGC	CCA	TTT	CGAG	GC	CAC	AGG	TG	TTGG	TGG	CTT	CAA	CCA	CTGT	GC	TGG	AGC	TC
		d	v	р	i	S	r	p	q	V	1	V	a	S	t	t	V	l	е	1
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481	AGCG	AGG	CCT	TCA	CCT	TGAA	CT	GCT	CAC	AT	GAGA	ATG	GCA	CCA	AGC	CCAG	CT	ACA	CCT	GG
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	0002	***	Nm/C	CCN	300	· CCCሞ	cc	ምሶ እ	አጥሮ	<u>م</u> ر	TCGA	Слл	ሞርር	ጥርር	ጥርጥ	ררר	CC	እሮር	מממי	ΔG
541											S									
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601	GTGC	ፈጋጥ	ייט.	ጥሮኔ	יכככ	'GCGT	GC	'ፐርል	ጥርር	AG	GATG	ACG	ACC	TGT	'ACA	GCTG	CA	TGG	TGG	AG
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661	AACC	CCA	TCA	GCC	'AGG	GCCG	CA	GCC	TGC	СТ	GTCA	AGA	TCA	CCG	TAT	ACAG	AA	GAP	GCT	CC
••-											V									
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721	CTTT	ACA	TCA	TCT	TGT	CTAC	AC	GAG	GCA	TC	TTCC	TCC	TTG	TGA	CCT	TGGT	GA	CAC	TCT	GT
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	-					<u> </u>												•		
781	GCCT	GCT	GGA	AAC	CCT	CCAA	AA	<b>IGGA</b>	AAC	AG	AAGA	AGC	TAG	AAA	AGC	AAAA	CT	CCC	TGG	AA
	a	С	W	$\cdot \mathbf{k}$	p	s	k	r	k	q	k	k	1	e	k	q	n	S	1	е
	<u> </u>																			

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841	TACA	TGG	ATC	AGA	ATG	ATGA	CC	GCC	TGA	AA	CCAG	AAG	CAG	ACA	CCC'	rccc	TC	GAA	GTG(	GT
	. у	m'	d	q	n	d	d	r	1	k	p	е	a	d	t	1	p		· <b>S</b>	
901	GAGC	AGG	AAC	GGA	AGA	ACCC	CA	TG6	CAC	TC	TATA	TCC	TGA	AGG	ACA	AGGA	CT	CCC	CGG	AG
.502	е	q	е	ŗ	k	n	p	m	a	l	у	i	1	k	d	k	ď	S	p	е
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961	ACCG																			
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1021	TCCG	TGT	CTC.	CCG	CCG	TGCC	CG	GCC	GCT	CG	CCGG	GGC	TGC	CCA	TCC	GCTC	TG	CCC	GCC	GC
	S	V	S	p	a	<b>v</b> .	p	g	r	s	·p	g	1	р	i	r	\$	a	r	r
1001	ma cc	000	COM	ccc	CAC	cccc	C-m	ccc	יראר		ACCG	יכרר	CCA	CVC.	יים מי	して中し	·CC	ՐՇՐ	<b>ርር</b> እ	cc
1081																				
	У	p	r	S	p	a	r	S	p	a	t	g	Ι.	L	11 .	S	5	þ	þ	ı
1141	GCCC	CGA	GCT	CGC	CCG	GCCG	CT	CGC	GCA	GC	GCCT	'CGC	GCA	CAC	TGC	GGAC	TG	CGG	GCG	TG
٠,	a	p	s	S	p	·g	r	s	r	S	a	S	, <b>r</b>	t	1	r.	t	a	g	V
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1201																	AG	CCG	CÇT	CG
	h	i	i	·r	е	q	ď,	e	a	g	p	V	е	i	S	<b>a</b> .				
1261	GGAT	'CCC	CTG	AGA	GGC	GCCC	GC	GGT	CTG	CG	GCCA	GTG	GCC	CGG	GGG	AAAG	CT	GGG	GCT	GG
1321											GGGA									
1381	GGTG	TGA	ACG	TGT	ATG	AGCA	TG	CGC	AGA	CG	GAGG	CGG	GTG	CGC	:GGA	GGCG	GC	AGT	GTT	GA
1441											GTTT									
1501											TACA									
1561											CCGT									
1621											TCTC									
1681											GCAP									
1741											AGCC									
1801											GGCC									
1861											AGTA									
1921											GCTT									
1981											CTGT									

FIG. 5(contd.)

=10	G. 6	8/22	
•		ATGAAGAGAGAAAGGGGAGCCCTGTCCAGAGCCTCCAGGGCCCTGCGCCT 115935	)
	1.	ATGAAGAGAGAGAGGGGGCCCTGTCCAGAGCCTCCAGGGCCCTGCGCCT 50	)
	•	INSP052-BIP-exon1F	
		INSP052-exon2F	
gi	115936	TGCTCCTTTTGTCTACCTTCTTGATCCAGACAGgtaggcac 115970	<b>)</b> .
	•	>>>> 10852 >>>	
	51	TGCTCCTTTTGTCTACCTTCTTGATCCAGACAG85	;
		INSP052-exon1R cont	
•		INSP052-exon2F cont	
gi	115970	agACCCCTGGAGGGGTGAACATCACCAGCCCCGTGCGCCTGATCCATG 126870	)
		>>	
	85	ACCCCCTGGAGGGGTGAACATCACCAGCCCCGTGCGCCTGATCCATG 133	3
· .		INSP052-exon1R	
ade. Not	•		
gi	126871	GCACCGTGGGGAAGTCGGCTCTGCTTTCTGTGCAGTACAGCAGTACCAGC 126920	) ·
			٠.
	134	GCACCGTGGGGAAGTCGGCTCTGCTTTCTGTGCAGTACAGCAGTACCAGC 183	)
:	.126021	AGCGACAGGCCTGTAGTGAAGTGGCAGCTGAAGCGGGACAAGCCAGTGAC 126970	<b>1</b>
91	120721	HILLIH HI	,
	184	•	3
	101	1.0001.01.0000707.07012.07000.0070.12.000000.1042.0001.0101.0	
αi	126971	CGTGGTGCAGTCCATTGGCACAGAGGTCATCGGCACCCTGCGGCCTGACT 127020	0
<b>J</b>			
	234	CGTGGTGCAGTCCATTGGCACAGAGGTCATCGGCACCCTGCGGCCTGACT 283	3
gi	127021	ATCGAGACCGTATCCGACTCTTTGAAAATGGCTCCCTGCTTCTCAGCGAC 127070	)
	284	ATCGAGACCGTATCCGACTCTTTGAAAATGGCTCCCTGCTTCTCAGCGAC 33	3
gi	127071	CTGCAGCTGGCCGATGAGGGCACCTATGAGGTCGAGATCTCCATCACCGA 127120	)
	334	CTCCACCTCCCCCATGACGCCACCTATGACGTCGACATCTCCATCACCGA 38	3

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Ė١	G. 6	(contd.) 9/22 INSP052-exon3F	
		CGACACCTTCACTGGGGAGAAGACCATCAACCTTACTGTAGATGgtaaa.	127164
		}}	
	384	CGACACCTTCACTGGGGAGAAGACCATCAACCTTACTGTAGATG	427
		INSP052-exon3F cont	
gi	127164	ctcagTGCCCATTTCGAGGCCACAGGTGTTGGTGGCTTCAACCACT	127922
		717 >>>>	
	427	<u>TGCCCATTTCGAGGCCACAGGTGTTGGTGGCTTCAACCACT</u>	468
		INSP052-exon2R	
gi	127923	GTGCTGGAGCTCAGCGAGGCCTTCACCTTGAACTGCTCACATGAGAATGG	127972
		411444144444444444444444444444444444444	
	469	GTGCTGGAGCTCAGCGAGGCCTTCACCTTGAACTGCTCACATGAGAATGG	518
gi	127973	CACCAAGCCCAGCTACACCTGGCTGAAGGATGGCAAGCCCCTCCTCAATG	128022
		<u>ាក់ពីប្រើស្តីហើកជំនាក់ពីកំពុកអាការអាការក</u>	•
•	519	CACCAAGCCCAGCTACACCTGGCTGAAGGATGGCAAGCCCCTCCTCAATG	568
	,	- CASTARNATA CONTRACTOR SOCIETA	
gi	128023	ACTCGAGAATGCTCCTGTCCCCGACCAAAAGGTGCTCACCATCACCCGC	128072
	569	<u>ACTCGAGAATGCTCCTGTCCCCCGACCAAAAGGTGCTCACCATCACCCGC</u>	618
αi	128073	GTGCTCATGGAGGATGACGACCTGTACAGCTGCATGGTGGAGAACCCCAT	120122
9.			120122
	·619	GTGCTCATGGAGGATGACGACCTGTACAGCTGCATGGTGGAGAACCCCAT	668
gi	128123	CAGCCAGGGCCGCAGCCTGCCTGTCAAGATCACCGTATACAgtgag	128163
	•	111111111111111111111111111111111111111	
	669	CAGCCAGGGCCGCAGCCTGCCTGTCAAGATCACCGTATACA	709
		INSP052-exon3R cont	
gi	128163	.cctagGAAGAAGCTCCCTTTACATCATCTTGTCTACAGGAGGCATCTTC	128502
		`>>>>1111111111111111111111111111111111	
	709	<u>GAAGAAGCTCC</u> CTTTACATCATCTTGTCTACAGGAGGCATCTTC	753
		INSP052-exon3R	-
gi	128503	CTCCTTGTGACCTTGGTGACAGTCTGTGCCTGCTGGAAACCCTCCAAAAG	128552
	·		
	754	СТССТТСТСАССТСТСТСТСТСТСТСТССТССТССТА В В СССТССА В В В СССТСА В В В СССТСА В В В В В В В В В В В В В В В В В В В	803

FI	G. 6	(contd.) 10/22	
gi	128552	gtctgcacagGAAACAGAAGAAGCTAGAAAAGCAAAACTCCCTGG	129108
		>>>> 521 >>>>>	
	803	GAAACAGAAGAAGCTAGAAAAGCAAAACTCCCTGG	838
gi	129109	AATACATGGATCAGAATGATGACCGCCTGAAACCAGAAGgtgagt	129147
			•
	839	AATACATGGATCAGAATGATGACCGCCTGAAACCAGAAG	877
gi	129147	gcagCAGACACCCTCCCTCGAAGTGGTGAGCAGGAACGGAAGAACCCCAT	129479
	•	>>>>	
	877	CAGACACCCTCCCTCGAAGTGGTGAGCAGGAACGGAAGAACCCCAT	923
gi	, 129480	GGCACTCTATATCCTGAAGGACAAGgtgagtgcagGACTCCCCGG	130461
	924	GGCACTCTATATCCTGAAGGACAAG	958
gi	130462	AGACCGAGGAGAACCCGGCCCCGGAGCCTCGAAGCGCGACGGAGCCCGGC	130511
		300000000000000000000000000000000000000	
•	959	AGACCGAGGAGAACCCGGCCCCGGAGCCTCGAAGCGCGACGGAGCCCGGC	1008
gi	130512	CCGCCCGGCTACTCCGTGTCTCCCGCCGTGCCCGGCCGCTCGCCGGGGCT	130561
	1009	CCGCCCGGCTACTCCGTGTCTCCCGCCGTGCCCGGCCGCTCGCCGGGGCT	1058
gi	130562	GCCCATCCGCTCTGCCCGCCGCTACCCGCGCTCCCCAGCGCGCTCCCCAG	130611
		${\bf 111111111111111111111111111111111111$	
	1059	GCCCATCCGCTCTGCCCGCCGCTACCCGCGCTCCCCAG	1108
gi	130612	CCACCGGCCGGACACACTCGTCGCCCCAGGCCCCGAGCTCGCCCGGC	130661
			•
	1109	CCACCGGCCGGACACACTCGTCGCCGCCCAGGCCCCGAGCTCGCCCGGC	1158
gi	130662	CGCTCGCGCAGCGCCTCGCGCACACTGCGGACTGCGGGCGTGCACATAAT	130711
		111111111111111111111111111111111111	
	1159	CGCTCGCGCAGCGCCTCGCGCACACTGCGGACTGCGGGCGTGCACATAAT	1208
gi	130712	CCGCGAGCAAGACGAGGCCGGCCCGGTGGAGATCAGCGCCTGA 130754	
		1,1111111111111111111111111111111111111	
	1209	CCGCGAGCAAGACGAGGCCGGCCCGGTGGAGATCAGCGCCTGA 1251	

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1	1 ACAAGTTTGT		ACAAAAAAGC		AGGCTTCGCC									AGCCCTGTCC						
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61	AGAG	CCT	CCA	GGG	CCC	TGCG	CC	TTG	CTC	СТ	TTT	GTCT	'ACC	TTC	CTTC	TGAT	CC	AGA	CAC	AC
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121	CCCC'	TGG.	AGG	GGG	TGA	ACAT	CA	.CCA	GCC	CC	GTG	CGCC	TGA	TCO	CATO	GCAC	CG	TGG	GGA	λĀĠ
						n														
181	TCGG	CTC	TGC	TTI	СТС	TGCA	GT	ACA	GCA	GT	ACC	AGCA	GCG	ACA	AGGC	CTGT	AG	ŤGA	AGT	'GG
						V					•									
241	CAGC	TGA	AGC	GGG	ACA	AGCC	AG	TGA	CCG	TG	GTG	CAGT	CCA	TTO	GGCA	CAGA	GG	TCA	TCG	GC
	q	1.	k.	r	d	k	p	V	t	V	. <b>v</b>	q	s	i	g	t	е	v	i	g
301	ACCC	TGC	GGC	CTG	ÄCT	'ATCG	AG	ACC	GTA	TC	CGA	CTCT	TTG	AAA	<b>AT</b> G	GCTC	CC	TGC	TTC	TC
	t	1	<b>r</b>	p	d	y	r	d.	r	i	r	. 1	f	е	. <b>n</b>	g	S	1	1	1
361.	AGCG	ACC'	TGC	AGC	TGG	CCGA	TG	AGG	GCA	CC	TATO	SAGG	TCG	AGA	ATCT	CCAT	CA	CCG	ACG	AC
						a		٠.											-	
421	ACCT'	TCA	CTG	GGG	AGA	AGAC	CA	TCA	ACC	TT	ACTO	STAG	ATG	TGC	CCA	TTTC	GA	GGC	CAC	AG
	t	f	t	g	е	k	t	i	n	1	t	V	d	V	p	i	s	r	p	q
481	GTGT'	TGG'	TGG	CTT	CAA	CCAC	TG	TGC	TGG	AG	CTC	AGCG	AGG	CCI	TCA	CCTT	GA	ACT	GCT	CA
	V	1	♥ ,	a	s	t	t	V	1	е	1	s	е	a	f	t	1	n	C	S
541	CATG	AGA	ATG	GCA	CCA	AGCC	CA	GCT	ACA	CC	TGG	TGA	AGG	ATG	GCA	AGCC	CC	TCC	TCA	ΑT
	h	е	n.	g	it.	k	P	S	у	t	·W	1	k	·d	ġ	k	p	1	1	n
601	GACT	CGA	GAA	TGC	TCC	TGTC	CC	CCG	ACC.	AA	AAGO	STGC	TCA	CCA	TCA	CCCG	CG	TGC'	TCÁ	TG
	d	s	r	··m	. 1	1	S	p	ď	q	k	V	1	t	i	t	r	V	ĺ	. m
661	GAGGA	ATG/	ACG	ACC	TGT	ACAG	CT	GCA	TGG	TG	GAGA	ACC	CCA	TCA	GCC	AGGG	CC	GCA	GCC'	TG
	. e	d	d	d	1	У	S	С	m	V	е	u	p	i	S	q	g.	r	s	1
721	CCTG	rca/	AGA	TCA	CCG	TATA	ÇA	GAA	GAA	GC	TCCC	ACC	ATC	ACC	ATC	ACCA	TT	GAAZ	ACC	CA
						V														
201	<i>CC</i> ጥጥባ	n/mn	n/m	מסת	7 7 C	mcce.														

Molecule:

pENTR-INSP052- EC-6HIS, 3005 bps DNA Circular

File Name:

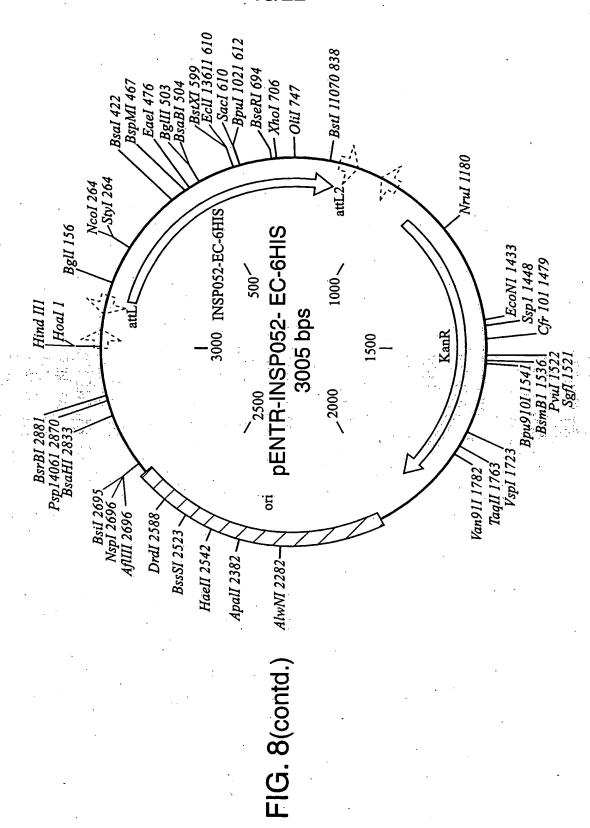
pENTR-INSP052-6HIS.cm5, dated 21 Feb 2003

Description:

Ligation of Cons-6His.SEQ into pENTR-attL1-attL2

### Molecule Features:

Туре	Start	End	Name	Description
MARKER	21			pENTR-F1 primer
MARKER	110	(	CattLl	
GENE	136	873	INSP052	-EC-6HIS
MARKER	888		attL2	
MARKER	1001	. (		pENTR-R1 primer
GENE	1100	1909	KanR	
REGION	2030	2669	ori	



Molecule:

pEAK12d-INSP052-EC-6HIS, 7687 bps DNA Circular

File Name:

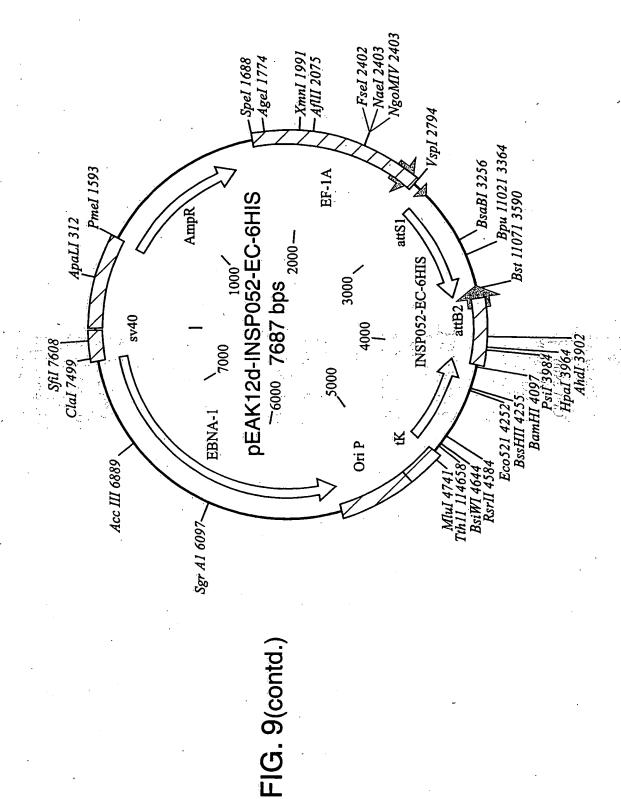
pEAK12d-INSP052-6HIS.cm5, dated 21 Feb 2003

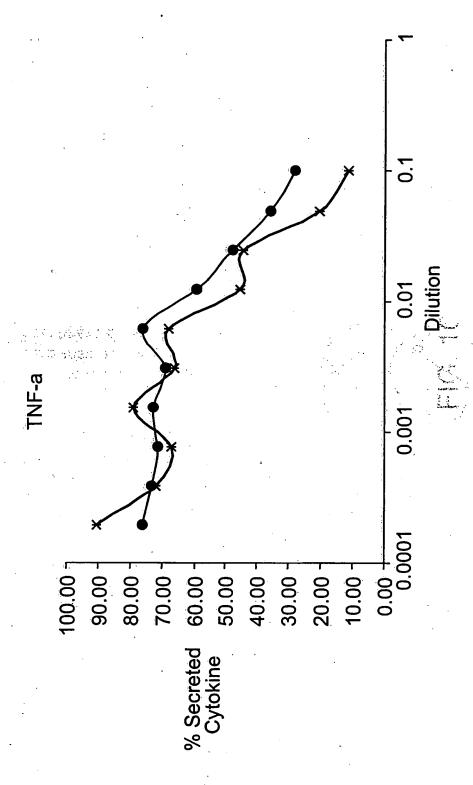
Description:

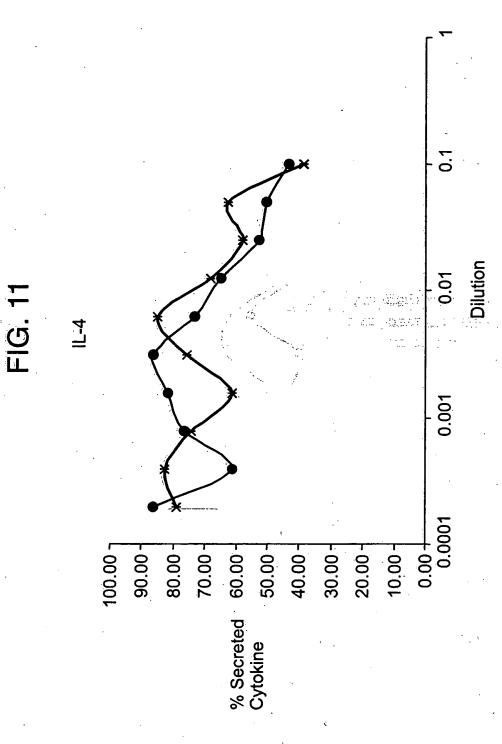
Ligation of Cons-6His.SEQ into pEAK12d-attBl-attB2

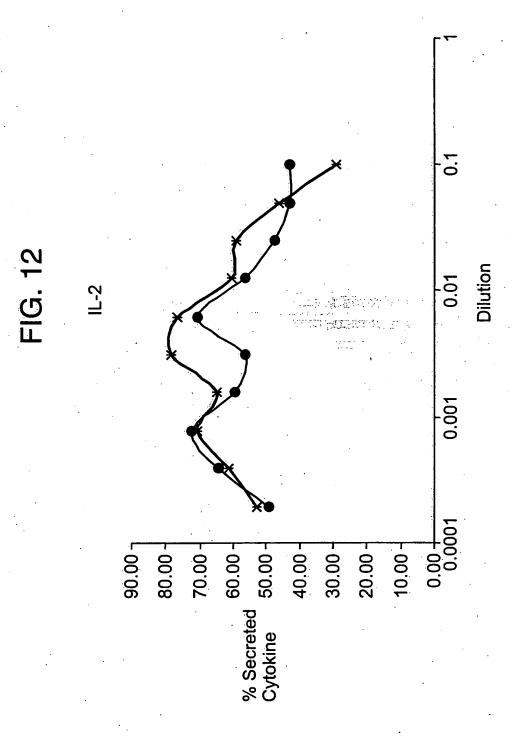
### Molecule Features:

Туре	Start	End	Name	Description
REGION	2	595		pmb-ori
GENE	596	1519	AmpR	
REGION	1690	2795	EF-la	
MARKER	2703			pEAK12F primer
REGION	2855	2887	attBl	
GENE	2888	3625	INSP052-1	EC-6HIS (aa1-240)
REGION	3629	3654	attB2	
MARKER	3656	(		pEAK12R primer
REGION	3661	4089		poly A/splice
GENE	4708	4090 (		PUROMYCIN resistance
REGION	4932	4709 (	C tK	tK promoter
REGION	5427	4933 (	C Ori P	•
GENE	7479	5427 (		
REGION	7480	7679	sv40	
		-		









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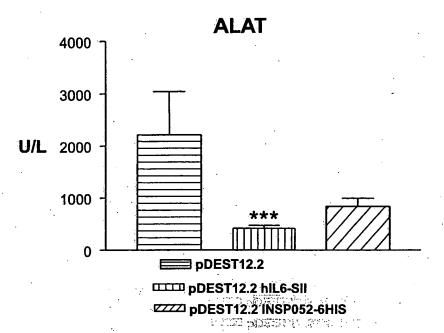
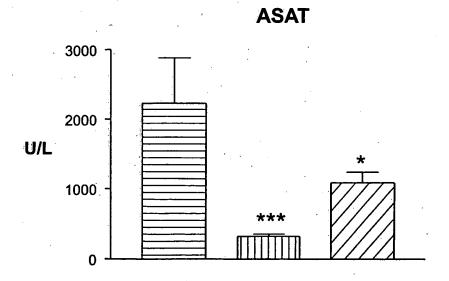


FIG. 13B



pDEST12.2 hIL6-SII
pDEST12.2 insp052-6HiS

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FIG. 14A

**TNF 1h30** 

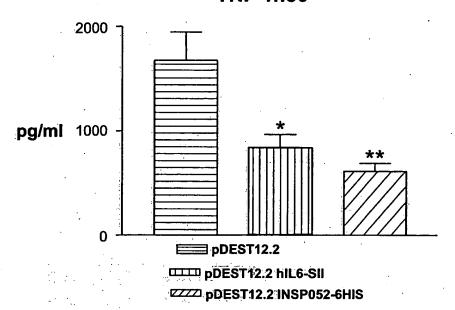
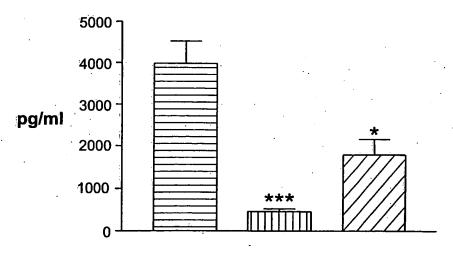


FIG. 14B

mIL68h



pDEST12.2

pDEST12.2 hIL6-SII

pDEST12.2 INSP052-6HIS

FIG. 15A

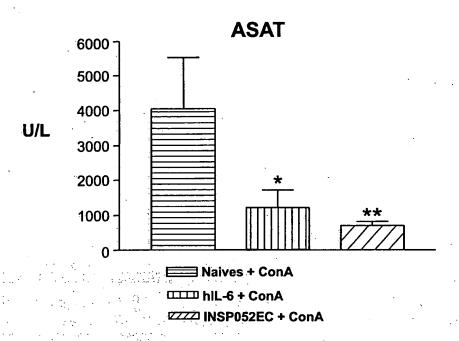


FIG. 15B

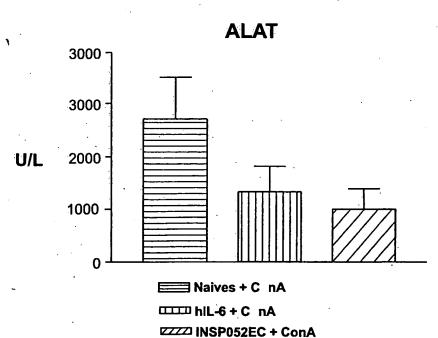


FIG. 15C

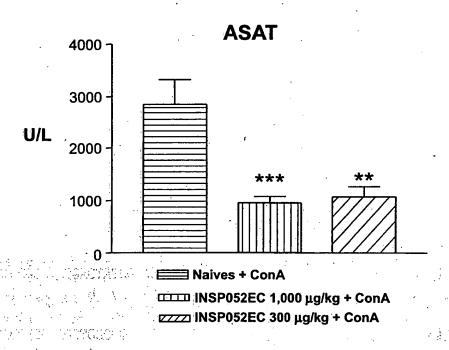


FIG. 15D

